

Title



HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines

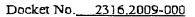
REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY and CHANGE OF CORRESPONDENCE ADDRESS

10/786,380	
February 24, 2004	
Mary Jane Cardosa	
3579	
1642	·
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2316.2009-000	
	February 24, 2004 Mary Jane Cardosa 3579 1642 UNKNOWN

I hereby revoke all previous powers of attorney given in the above-identified application. [] I hereby appoint the following practitioner(s): [Not to exceed 10] OR [X] I hereby appoint the practitioners associated with the Customer Number: 22852 Please change the correspondence address for the above-identified application to: [X] Customer Number 22852 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP 901 New York Avenue, NW Washington, D.C. 20001-4413 [] Other Please direct all telephone calls and facsimiles to: Name Salvatore J. Arrigo Tel. No. 202-408-4160 Fax No. I am the: [] Applicant/Inventor. Authorized representative of the Assignee, [Statement under 37 C.F.R. §3.73(b) is enclosed.], of the entire interest. See 37 C.F.R. § 3.71. A Authorized representative of the Assignes, Universiti Malaysia Sarawak, together with Bavarian Nordic Rassersh Institute A/S and GSF-Forschungszentrum für Umwelt and Gesundheit GmbH, of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed. [X]SIGNATURE of Applicant or Assignee of Record Signature Name & Title MARY JANE CARDOSA

@PFDesktoph::ODMAMHODMAAHBSRQ5:IMelierc:602286:1

8 FEB 2006





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STATEMENT UNDER 37 CFR § 3.73(b)

			y Jane Cardosa, Cier	a Sutter and Vol		February 24, 2004
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	Univer	siti Malaysia S (Name of Assigne	arawak e)	, a <u>corp</u> (7	oration upo of Assimee, e.g., corporation, par	thership, university, government agency, etc.)
states th	nat it is					
Λ.	[]	the assigned	of the entire right, ti	tle and interest in	the patent application/pate	ent identified above; or
в.	[X]	an assigned t Umwelt and above.	ogether with Bavari I Gesundheit GmbH	an Nordic Resear I of the entire rig	erch Institute A/S and GS ht, title and interest in the p	F-Forschungszentrum fur patent application/patent identified
The rig	ht, title a	nd interest of t	he above-named assi	ignce in the pater	nt application/patent identif	led above is established by virtue of
A. [X]	An ass Patent	ignment from t and Trademark	he inventor(s) of the	patent application Frames	on/patent identified above. or a copy there	The assignment was recorded in the of is attached.
OR						
B. []	A chair below:		the inventor(s) of the	patent application	on/patent identified above,	to the current assignee as shown
	1.	The docume	nt was recorded in th	ne United States	Patent and Trademark Officipy thereof is attached.	DC at
	2.	The docume	nt was recorded in th	nc United States !	Patent and Trademark Officopy thereof is attached.	oc at
	3.		nt was recorded in th		Patent and Trademark Officepy thereof is attached.	ce at
	[] A	dditional docu	ments in the chain of	title are listed or	n a supplemental sheet	
)(1)(i), the documen itted for recordation			original owner to the assignee was,
The un	dersigne	d (whose title i	s supplied below) is	authorized to act	on behalf of the assignce.	
Signan	17C:(<i> </i>			·		
Name:	<u>_m</u>	ARY J	ANE CANED	OSA		·
Title:_	Da					
Date:_	8'	FEB 200	6			

PATENT APPLICATION Assignment



For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor:

Mary Jane Cardosa

Who have created a certain invention for which I have executed, on or about the date of this assignment, an application for United States Letters Patent entitled RECOMBINANT MVA VIRUS EXPRESSING DENGUE VIRUS ANTIGENS, AND THE USE THEREOF IN VACCINES.

Do hereby sell, assign and transfer to Universiti Malaysia Sarawak, a corporation, having a place of business at 94300 Kota Sarnarahan, Sarawak, Malaysia, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Universiti Malaysia Sarawak, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

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Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Mary Jane Cardosa

Mary Jane Cardosa

Mirector
Institute of Health & Community Modicine
UNIVERSITI MALAYSIA SARAWAK

22/2/99

Date:

Witness:

Witness:

Signature: NORRESTICAN ARD- RATINAN

Signature: TIO PHATE (188)

22/2/99

Date:

Date:

BROOK, SMITH & REYNOLDS, P.C.

ATION OF POWER OF ATTORNEY WITH **NEW POWER OF ATTORNEY** and CHANGE OF CORRESPONDENCE **ADDRESS**

13	RADEN		
- VØ	- washing	Application/Patent Number	10/786,380
REVOCATION OF POWER OF ATTORNEY WITH		Filing/Issue Date	February 24, 2004
		First Named Inventor/Palentes	Mory Jane Cardoss
NEW POWER OF ATTORNEY		Confirmation Number	3579
	and	Group Ari Unii	1642
CHANGE OF CORRESPONDENCE ADDRESS		Exominer Name	UNKNOWN
		Attorney Docket Number	2316,2009-000
Title	Recombinant MVA Virus Expressing Dengue Virus Antigens and	the Use Thereof in Vaccines	

l h	ereby	revoke all previous powers of attorney given in the above-identified application.
	[]	hereby appoint the following practitioner(s): [Not to exceed 10]
		OR
• .	[X]	I hereby appoint the practitioners associated with the Customer Number: 22852
	Pleas	se change the correspondence address for the above-identified application to:
	[X]	Customer Number 22852
		Finnegan, Henderson, Farabow, Garrett & Dunner, LLP
		901 New York Avenue, NW
		Washington, D.C. 20001-4413
	[]	Other
l		
	Plea	se direct all telephone calls and facsimiles to:
		ise direct all telephone calls and facsimiles to: no Salvatore J. Arrigo Tel. No. 202-408-4160 Fax No. 202-408-4400
	ПеИ	· · · · · · · · · · · · · · · · · · ·
	ПеИ	Salvatore J. Arrigo Tel. No. 202-408-4160 Fax No. 202-408-4400
	Nam	Tel. No. 202-408-4160 Fax No. 202-408-4400 the: Applicant/Inventor.
	Nam i am	Authorized representative of the Applicant I and the entire interest. See 37 C.F.R. § 3.71. A
	Nam I am []	Authorized representative of the Assignee, [Statement under 37 C.F.R. §3.73(b) is enclosed.
	Nam I am []	Authorized representative of the Assignee, [], of the entire interest. See 37 C.F.R. § 3.71. A Statement under 37 C.F.R. §3.73(b) is enclosed. Authorized representative of the Assignee, Bavarian Nordic Research Institute A/S, together with University Malaysia Sarawak and GSF-Forschungszentrum für Umwelt and Gasundheit GmbH, of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed. SIGNATURE of Applicant or Assignee of Record

Docket No. 2316.2009-000

STATEMENT UNDER 37 CFR § 3.73(b)

Applica	апиРазон	Mary Jane Cardosa	. Gerd Sutter as	nd Volker Erfle	
Applica	ation No.	/Patent No.: 10/786.38	.0	Filed/Issuc Date:	February 24, 2004
Entitled	i:	Recombinant MVA Virus E	xpressing Deng	uc Virus Antigens and the Use T	horoof in Vaccines
	Bavaria	an Nordic Research Institute A	JS	, a <u>corporation</u> (Type of Atsignee, e.g., corporation, pa	rmership, university, gavernment agency, etc.)
states ti	nat it is				
Ą.	[]	the assignes of the entire rig	tht, title and inte	erest in the patent application/pat	ent identified above; or
B.	[X]	an assignee together with Un Gesundheit GmbH of the c	niversiti Malay entire right, title	rsia Sarawak and GSF-Forschu and interest in the patent applies	ingszentrum für Umwelt and ition/patent identified above.
The rig	ht, title a	nd interest of the above-name	d assignee in the	e patent application/patent identi	fied above is established by virtue of
a. [X]	An assi Patent s	gnment from the inventor(s) o and Trademark Office at Reel	of the patcht app	olication/patent identified above.	The assignment was recorded in the cof is attached
OR					
В. []	A chair below:	of title from the inventor(s) of	of the patent app	olication/patent identified above,	to the current assignee as shown
	1.			States Patent and Trademark Offi or a copy thereof is attached.	ice al
	2.	The document was recorded	To: To: ,	States Patent and Trademark Officer of a copy thereof is attached.	ice at
	3.	The document was recorded		States Patent and Trademark Offi or a copy thereof is attached.	ice at
	[] Ad	dditional documents in the cha			•
		37 CFR 3.73(b)(1)(i), the docuis being, submitted for records			original owner to the assignee was,
The un	dersignee	d (whose title is supplied below	w) is authorized	to act on behalf of the assignee.	
		eta Pielher			
		ra Pielken			
Title:_	Dir	ector Patent	Depart	· Lu.	
		Jeb 2006			

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PATENT APPLICATION Assignment



For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor:

Gerd Sutter

Who have created a certain invention for which I have executed, on or about the date of this assignment, an application for United States Letters Patent entitled RECOMBINANT MVA VIRUS EXPRESSING DENGUE VIRUS ANTIGENS, AND THE USE THEREOF IN VACCINES

Do hereby sell, assign and transfer to Bavarian Nordic Research Institute A/S. a corporation. having a place of business at Naverland 2, DK 2600-Glostrup, Denmark, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Bavarian Nordic Research Institute A/S, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

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Gerd Sutter	
PLSIL	
Signature:	
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Date:	
Wimess:	Witness:
Helan Withyon	(no)rus
Signature:	Signature:
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Tate:	Dada



HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY and CHANGE OF CORRESPONDENCE ADDRESS

WIFFDesktopy::ODM A/MHODMA/HDSR05;Manage;65999;1

Application/Patent Number	10/786,390
Filing/Issue Date	February 24, 2004
First Named Inventor/Patentee	Mary Jane Cardosa
Confirmation Number	3579
Group Art Unit	1642
Examiner Name	UNKNOWN
Altorney Dockel Number	2316.2009-000

Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines Title I hereby revoke all previous powers of attorney given in the above-identified application. [] I hereby appoint the following practitioner(s): [Not to exceed 10] OR [X] I hereby appoint the practitioners associated with the Customer Number: 22852 Please change the correspondence address for the above-identified application to: [X] Customer Number 22852 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP 901 New York Avenue, NW Washington, D.C. 20001-4413 Please direct all telephone calls and facsimiles to: Fax No. 202-408-4160 Tel. No. Name Salvatore J. Arrigo I am the: Applicant/Inventor. []], of the entire interest. See 37 C.F.R. § 3.71. A Authorized representative of the Assignee, [Statement under 37 C.F.R. §3.73(b) is enclosed. Authorized representative of the Assignee, GSF-Forschungszentrum fur Umwelt and Gesundhelt GmbH, together with Universiti Malaysia Sarawak and Bavarian Nordic Research Institute A/S, of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed. SIGNATURE of Applicant or Assignee of Record Signature Name & Title Technology transfer head of Legal Departm





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STATEMENT UNDER 37 CFR 8 3.73(b)

Applica	ווסופיועמו	ice: <u>ivjar</u>	y Jane Cardosa, Gord Sur	ner and Volker Ertic	•
Applica	tion No.	/Patcnt No.:	10/786,380	Filed/Issue Date:	February 24, 2004
Entitled	:	Recombinant	MVA Virus Expressing	Dengue Virus Antigens and the Use Ti	narcof in Vaccines
GSF-Eo	tachme	Nirms of Assignee	mwell and Gesundheit Gr	mbH , a <u>corporation</u> (Type of Assigner, e.g., corporation, pan	nership, university, government agency, etc.)
sintes th	at it is		•		
A.	1.1	the assignee of	of the entire right, title an	d interest in the patent application/pate	ent identified above; or
B.	[X]·	•		Aalaysia Sarawak and Bavarian Nort ent application/patent identified above	
The rig)	nt, title a	nd interest of th	ic above-named assignee	in the patent application/patent identif	ied above is established by virtue of:
A. [X]	An assi Patent s	gnment from th and Trademark	office at Reel,	nt application/patent identified above. Frames, or a copy thereo	The assignment was recorded in the of is attached.
OR					
B . []	A chair below:	of title from th	ic inventor(s) of the pater	nt application/patent identified above,	to the current assignce as shown
	1.	From:	it was recorded in the Uni	o:	ce at
	2,	From:	T	o: ited States Potent and Trademark Offic	
				or a copy thereof is attached.	
	3.	From: The documer Reel	To was recorded in the United Trains. Trains.	o: ited States Patent and Trademark Office , or a copy thereof is attached.	ce at
	[] Ac	iditional docum	ents in the chain of title:	are listed on a supplemental shoct,	
As requ	ired by 3 urrently i	7 CFR 3.73(b) is being, submi	(1)(i), the documentary cuted for recordation pursu	evidence of the chain of title from the ount to 37 CFR 3.11.	riginal owner to the assignee was,
The und	iersignod	whose title is	supplied below) is autho	orized to act on behalf of the assignee.	
Signatu	١,		junt +	2. ,	
	Martic		Dr. Martin	Dietz-	
<u> </u>	<u>1ead</u> Depar	1	Trousfer	ed Technology	
Date:		Feb	8.2006		

PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor:

Volker Erflc

Who have created a certain invention for which I have executed, on or about the date of this assignment, an application for United States Letters Patent entitled RECOMBINANT MVA VIRUS EXPRESSING DENGUE VIRUS ANTIGENS, AND THE USE THEREOF IN VACCINES.

Do hereby sell, assign and transfer to GSF - Forschungszentrum für Umwelt and Gesundheit GmbH, a corporation, having a place of business at Ingolstädter Landstr. 1, D 85764. Neuherberg, Germany, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that GSF - Forschungszentrum für Umwelt and Gesundheit GmbH, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries: and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

BA980390,008 Dockel No. 20239-703 Covenant with said Assignce, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Volker Erfl		olke	Sle	7
Signature:		***	1	
·	1.3.	99		
Date:				

Witness:

Signature:

Date:

Witness:

Signature: 1) recor

2.3.99

Date: